

ABSTRACT

The invention concerns a method for controlling automatic transmission (3) of a vehicle comprising an engine (2) driving the transmission (3) which consists in: detecting a downhill situation of the vehicle, and selecting a transmission ratio so that the engine absorbs energy, storing a longitudinal speed of downhill start (V_{min}) when the vehicle starts going downhill, and while the vehicle is running downhill, comparing the current speed (V) of the vehicle with the downhill start speed (V_{min}) such that the current speed (V) exceeds the downhill start speed (V_{min}) by a predetermined difference (V_S), then controlling the transmission to trigger downshifting.